

Method and System for Automatic Continuous Monitoring and On-Demand Optimization of Business IT Infrastructure According to Business Objectives

ABSTRACT

5 A computer implemented method and system for optimizing performance
of a business IT infrastructure, wherein business objectives are obtained as input and
the IT business infrastructure and/or business level components associated therewith
are optimized according to the business objectives. In one embodiment, an objectives
definition is created that defines business objectives and business rules
10 determining how IT level metrics affect the business objectives and, optionally,
service level agreements or other contract definitions based on the objectives
definition. A runtime performance of the business objectives is determined
during runtime of the business IT infrastructure by monitoring the business IT
infrastructure, its compliance with the contract definitions, and the business
15 objectives achieved by the business IT infrastructure. If a statistically significant
change is detected between the runtime performance and a reference optimization
of the business objectives, the business model is updated and the reference
optimization of the business objectives is re-determined.